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For: CONTENT NAVIGATOR GRAPHICAL USER INTERFACE SYSTEM AND METHOD

Enclosed are:

- X 3 sheets of drawing(s).
- X An assignment of the invention to SONY CORPORATION and SONY ELECTRONICS INC.
- ☐ A certified copy of a \_\_\_\_\_ application.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 C.F.R. 1.9 and 37 C.F.R. 1.27.
- X A Declaration and Power of Attorney for Patent Application.

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)
FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	63 -20-	* 43
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SMALL ENTITY	
RATE	FEE
	\$ 380.00
X \$ 9	\$
X \$ 39	\$
+ \$ 130	\$
Assign \$ 40	\$
<b>TOTAL</b>	\$

OR

OR

OR

OR

OR

OR

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 760.00
X \$ 18	\$ 774.00
X \$ 78	\$ 312.00
+ \$260	\$
Assign \$ 40	\$ 40.00
<b>TOTAL</b>	<b>\$1886</b>

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**EXPRESS MAIL LABEL NO. EL017804761US**

APPLICATION

of

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and

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for

UNITED STATES LETTERS PATENT

on

CONTENT NAVIGATOR GRAPHICAL USER INTERFACE  
SYSTEM AND METHOD

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EXPRESS MAIL LABEL NO. EL017804761US

Sheet 1 of 3

## CONTENT NAVIGATOR GRAPHICAL USER INTERFACE SYSTEM AND METHOD

### BACKGROUND OF THE INVENTION

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#### Field of the Invention

This invention relates generally to improvements in content display and navigation systems, and, more particularly, to a new and improved system and method for enabling a user to simultaneously display a set of selectable categories, a set of  
10 channels related to a selected category, and individual content associated with a selected channel, of potential interest to the user, and for enabling the user to navigate therethrough.

#### Description of the Related Art

15 In order to enable access to individual content such as television programming content and interactive data content on the internet through the traditional television set, there have been appliances or set-top boxes such as cable TV and satellite receivers which have been developed. Such devices have been developed in conjunction with sources of television and internet content and connections to the content sources.

20 In such access devices, a grid-type user interface has been developed to interact with a menu selector and remote control device with directional controls for controlling the movement of the menu selector in the user interface, to enable the user to navigate through different screens in the user interface to access the desired content on the internet and in the TV programming. However, the user interface has not  
25 previously enabled efficient navigation among a multiplicity of categories, channels, and individual content of potential interest to the user, including interactive data content and/or television programming content.

Further, such previous devices have not enabled effective simultaneous display of a set of selectable categories, a set of channels related to a selected category, and  
30 individual content associated with a selected channel and a selected category, of potential interest to the user. Also, such devices previously have not enabled efficient

Docket "B" 8/10/2000

use of substantial screen area for individual content including explanatory information and links for enabling exploration of other related content of potential user interest. Still further, prior devices have not provided formats for enabling comprehensive generation of guide information, and for providing links to information of relevance  
5 to the user and functionality for enabling effective searching therein.

In view of these considerations, an effective and efficient system must be implemented in an internet website and television programming system, for enabling a user to comprehensively display and navigate through a multiplicity of categories, channels, and individual content related to a subject of potential interest to the user.

10 Therefore, those concerned with the development and use of improved internet website and television channel display, access, and navigational systems and the like have recognized the need for improved systems and methods for navigating among a multiplicity of internet websites and television channels, for enabling a user to select categories, channels, and individual content of potential interest to the user.

15 The need has likewise been recognized for improved systems and methods for comprehensively displaying such sites and channels, while efficiently providing substantial screen areas for individual content, and for effectively generating guide information and providing information links for enhanced searching capabilities.

Accordingly, the present invention fulfills these needs by providing efficient and  
20 effective display, access, and navigation among a multiplicity of internet websites and television channels, to enable the user to scroll through categories, channels related to the selected category, and individual content associated with the selected category to obtain information of potential interest to the user.

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### SUMMARY OF THE INVENTION

Briefly, and in general terms, the present invention provides a new and improved system and method for enabling a user to display, access, and navigate among a multiplicity of internet websites and television programming channels in an efficient and effective manner, to access a multiplicity of categories, channels, and individual content of potential interest to the user. The system and method provide comprehensive displaying of such categories, channels, and individual content, to enable effective access and navigation therein, while enabling the use of substantial screen area for individual content of potential interest, and providing access to linked information and increasing searching capabilities.

By way of example, and not by way of limitation, the present invention provides a new and improved system for enabling the simultaneous displaying of a multiplicity of categories, related channels, and associated individual content of potential interest to the user. The system may further enable navigation from the same screen among the categories, related channels, and associated individual content. The system may also enable the substantially instantaneous display of related channels upon selection of a category, and of associated individual content upon selection of a related channel. The system may also comprise an integrated television product or a separate set-top box, and may comprise a front-end for world-wide web access and television programming access.

More particularly, the present invention includes a system which includes a graphical user interface which includes a set of selectable categories, a plurality of sets of selectable channels, wherein each set of channels is related to a selected category, and individual content associated with each of the selectable channels. The system is further adapted to enable the user to navigate and select among the categories, related channels, and associated individual content, from the same screen.

The system is also adapted to enable the substantially instantaneous displaying of a set of channels related to a category upon selection of the category, and of individual content associated with a channel upon selection of the channel. The system is also adapted to enable the user to navigate interactively in the individual content. It further includes an area for displaying the individual content, which occupies a substantial portion of the screen.

Therefore, an advantage of the present invention is that it includes a system which includes a graphical user interface for enabling the user to effectively simultaneously and substantially instantaneously view a set of categories, a set of selectable channels related to a selected category, and associated individual content  
5 associated with a selected channel and a selected category, of potential interest to the user.

A further advantage is that the present invention enables the user to conveniently and efficiently navigate in and select categories, channels, and individual content in the same screen, without navigating through different screens.

10 Another advantage in accordance with the present invention is that a substantial area of the screen may be occupied by individual content which includes explanatory information and links to information related to the individual content of potential user interest, while enabling the displaying of the next program on a selected channel and providing efficient links to scroll to prior or subsequent programming.

15 Still another advantage is that the present invention includes an internet standard content description language for enabling efficient generation of guide information with links to related information and search functionality.

These and other objects and advantages of the invention will become apparent from the following more detailed description, when taken in conjunction with the  
20 accompanying drawings of illustrative embodiments.

#### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram illustrating a client-server system in accordance with the invention;

25 FIG. 2 illustrates a graphical user interface in a display in the practice of the invention; and

FIG. 3 is a flow chart illustrating a method of navigating through the graphical user interface in accordance with the present invention.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention is directed to an improved system and method for enabling the simultaneous displaying of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, in a screen of a display, and for enabling the user to navigate efficient and effectively from the same screen among the categories, channels, and content. The improved system and method provides an efficient graphical user interface for enabling the simultaneous displaying of the categories, channels, and content, and for effective navigation in the same screen therethrough, such that a set of channels related to a category are substantially instantaneously displayed upon selection of a category by the user, and the individual content associated with a channel is substantially instantaneously displayed upon selection of the channel by the user, and is adapted to enable interactive navigation therein.

Referring now to the drawings, wherein like reference numerals denote like or corresponding parts throughout the drawing figures, and particularly to FIGS. 1 and 2, in the present invention, the system 10 includes a client 12 which includes a display 14. The client 12 may comprise an integrated television product or a separate set-top box, and may comprise a front-end for world-wide web access and television programming access. A graphical user interface 16 is adapted to be displayed in the display 14, and in particular in a screen 18 in the display 14. The display 14 preferably includes a cursor or menu selector therein (not shown), which may be free or tabbed, and which is adapted to enable the user to click on a category, a channel, or individual content for selection thereof. The graphical user interface 16 may comprise a front-end for world-wide-web access and television programming access. The system 10 further includes a control device 20, which may comprise a remote control device for enabling the user to select a category, a channel, and individual content, in the graphical user interface 16. The control device 20 preferably includes directional controls (not shown) for controlling movement of the cursor or menu selector in the display 14.

As illustrated in FIG. 1, the system 10 of the present invention also includes connections to individual content sources 22 including interactive data and television

programming sources, which are displayed on the display 14 responsive to selection by the user through the control device 18. The individual content sources 22 for interactive data may comprise a multiple-channel interactive data system, which may comprise a digital cable system 24 or a digital broadcasting satellite system (DBS) 26.

5 The connections for the system 10 to the interactive data sources are adapted to enable downloading of interactive data along the data connection to the client 12, and may include a telephone modem 28 connected to a server 30 operated by a service 32, which server 30 is connected to the internet 34. The connections for the system 10 to the television programming sources are adapted to enable connection with television  
10 programming along the programming connection to the client 12, and may include the cable 24, the digital broadcasting satellite 26, or other suitable connection.

As shown in FIGS. 1 and 2, in accordance with the present invention, the graphical user interface 16 is adapted to be displayed in the screen 18 in the display 14, and may be comprised of a content description language, such as hypertext markup  
15 language (HTML). The system 10 may further include an element for decoding the HTML content (not shown). The graphical user interface 16 includes a set of categories 36 of potential interest to the user. One of the categories 36 may be selected at a given time, such as "SPORTS" as shown in the darkened area in FIG. 2 to indicate highlighting thereof upon selection by the user. A set of channels 38 that are relevant  
20 to the selected category 36 are displayed substantially instantaneously with the selection of the category 36 by the user. The channels 38 may be scanned by clicking on the arrows 40 to display channels 38 above and below the channels 38 shown. One of the channels 38 may be selected at a given time, such as "301 FOXW" as shown in the darkened area in FIG. 2 to indicate highlighting thereof upon selection by the user.  
25 Individual content 42 associated with the selected channel 38 may be displayed substantially instantaneously with the selection of the channel 38 by the user, as shown in FIG. 2, with portions of the individual content 42 shown in darkened areas therein to indicate highlighting thereof. The individual content 42 may include interactive data, which may include internet website content, and/or may include individual  
30 television programming, which may include television channel content.



In the present invention, the graphical user interface 16 further includes an area 44 for the selected individual content 42, such as the individual content 42 relating to the selected category 36 of "SPORTS" and the selected channel 38 of "301 FOXW". The content area 44 may preferably comprise a substantial portion of the graphical user interface 16 in the display 14. The cursor or menu selector may be adapted to click on a content area 44 and the content area 44 may then transition to a full-display mode. The graphical user interface 16 is adapted to enable the cursor or menu selector to tab freely and scroll through the set of categories 36 of potential interest to the user, and the set of channels 38 which are related to the selected category 36, and the individual content 42 associated with the selected category 36 and the selected channel 38. The system 10 may also enable automatic movement from a category 36 to another category 36, and automatic movement from a channel 38 to another channel 38 in a category 36, in the graphical user interface 16, to enable the user to passively view a plurality of categories 36, and to passively view a plurality of channels 38 in a category 36, before making a selection. The control device 18 is adapted to enable the user to scroll through the selectable categories 36, the channels 38, and the individual content 42 in the graphical user interface 16.

As seen in FIG. 2, in the content area 44 of the graphical user interface 16, the individual content 42 in each selectable channel 38 may include information 46 which is related to the selected channel 38, which may include content provider information, channel information, and/or program information 48. The program information 48 may comprise a program title, a program length, a program summary, and/or a program starting and ending time. The information 46 may further include information displayed in a window 50, which may include video clips and/or real time video, and which may be expressed as an HTML tag. The information displayed in the window 50 may be highlighted. The window 50 may be either an active window or a preview clip window.

Further in the present invention, the individual content 42 may also include live links 52 for enabling the user to link to other content or scroll forward to the next content or backward to the previous content. The linked content may include particular information relating to the program information 48. The control device 18

and cursor or menu selector in the display 14 may enable access to the linked information. The individual content 42 further includes extensions 54, which may include an embedded video extension displayed in the window 50, a current time extension 56, and a time relation extension 58 which comprises a graphical representation of the relation between the current time and the total range of time from the start to the end of a program.

As seen in FIG. 3, which is a flow chart generally illustrating the display and navigation through the categories 36, channels 38, and content 42 in the screen 18 in the display 14, the categories of potential interest to the user, as represented by A, are initially displayed, at step 60. The user may then select a desired category as represented by A(D), at step 62. If for example the desired category is "SPORTS", it may be selected as represented by A(SPORTS), at step 64. The desired category A(D) selected is then highlighted, at step 66. If the desired category for example is the category A(SPORTS), it is then highlighted to indicate selection thereof, at step 68.

Upon selection and highlighting of the desired category A(D), a plurality of the channels as represented by B, which relate to the category A selected by the user, are then displayed, at step 70, substantially instantaneously upon the selection of the category A by the user. The plurality of channels in the set of channels B are thereby displayed simultaneously with the displaying of the categories A. If the plurality of channels in the set of channels B displayed include a channel which the user desires to select, at step 72, then the user may select the desired channel, as represented by B(D), at step 74. If the desired channel for example is "301 FOXW" it may be selected as represented by B(301 FOXW), at step 76. If, however, the desired channel is not displayed, the user may then scan the channels B which are prior to or after the plurality of channels B displayed, in the same screen 18, until a desired channel as represented by B(D) is displayed, at step 78. The desired channel B(D) then may be displayed, at step 80, and may then be selected, at step 82. The desired channel B(D) selected is then highlighted, at step 84. If for example the desired channel is B(301 FOXW), it is then highlighted to indicate selection thereof, at step 84.

Upon selection and highlighting of the desired channel B(D), individual content as represented by C which is associated with the selected channel B(D) is then displayed,

at step 86, substantially instantaneously with the selection by the user of the desired channel B(D). The individual content C is thereby simultaneously displayed with the displayed channel B(D) and the displayed category A(D). As seen in FIG. 2, the individual content C includes the information 46 which includes the links 52, and the extensions 54. Referring to FIG. 3, upon displaying the individual content C, the information as represented by D which relates to the selected channel B(D) and the selected category A(D) is then displayed, at step 88.

The information D which is displayed includes particular information E comprising an extension 54 which is displayed in the window 50, at step 90. The displayed particular information E is then highlighted, at step 92. If the particular information E displayed and highlighted comprises information which the user decides to view, at step 94, the particular information remains displayed, at step 90. However, if the user desires to view other particular information, at step 94, the user may then scan the particular information E, by clicking on an arrow 52, from the same screen 18, at step 96, until desired particular information as represented by E(D) is displayed, at step 98. The information D which is displayed, at step 88, also includes links 52 to other information, which links are represented by F, and which links F are displayed, at step 100, and also highlighted, at step 102. If the user does not desire to view the linked information, at step 104, the links remain displayed, at step 100. If, however, the user desires to view the linked information, at step 104, the user may then click on the links, in the same screen 18, at step 106, and the linked information as represented by F(L) is displayed, at step 108. In accordance with the invention, the user may at any point in the process decide to return, in the same screen 18, to the displayed categories A at step 60, and proceed from step 60 as desired.

It will be apparent from the foregoing that, while particular forms of the invention have been illustrated and described, various modifications can be made without departing from the spirit and scope of the invention. Accordingly, it is not intended that the invention be limited, except as by the appended claims.

WHAT IS CLAIMED IS:

1. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content by the user, comprising:

5 a graphical user interface, which includes;  
a set of categories of potential interest to a user;  
a plurality of sets of channels, wherein each set of channels is related to a category; and

individual content associated with each of the channels;  
10 wherein the graphical user interface is adapted to enable the simultaneous displaying in a display of the set of categories, a set of related channels, and associated individual content, of potential interest to the user, and is adapted to enable the selection of a category, a related channel, and associated individual content by the user.

2. The system of claim 1, wherein the graphical user interface is adapted to be displayed in a screen in a display, and is further adapted to enable the user to navigate in the display among the categories, related channels, and associated individual content, from the same screen.

3. The system of claim 1, wherein the graphical user interface is further adapted to display a set of channels related to a category substantially instantaneously upon selection of the category by the user.

4. The system of claim 1, wherein the graphical user interface is further adapted to display the individual content associated with a channel substantially instantaneously upon selection of the channel by the user.

5. The system of claim 1, wherein the graphical user interface is adapted to enable the user to navigate interactively in the individual content.

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6. The system of claim 1, wherein the graphical user interface includes an area for displaying the individual content, and wherein the area occupies a substantial portion of the display.

7. The system of claim 1, further comprising a client, which includes a display wherein the graphical user interface is displayed.

8. The system of claim 1, further comprising means for establishing a connection to a source of the individual content.

9. A system as in claim 1, further comprising means for enabling the user to select among the set of categories, the related set of channels, and the associated individual content.

10. The system of claim 1, wherein the individual content comprises interactive data.

11. The system of claim 1, wherein the individual content comprises television programming.

12. The system of claim 1, wherein the graphical user interface further includes extensions.

13. The system of claim 1, wherein the graphical user interface is comprised of a content description language.

14. The system of claim 1, wherein the individual content in each selectable channel includes information which is related to the selectable channel.

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15. The system of claim 1, wherein the sets of channels comprise sets of websites.

16. The system of claim 1, further comprising means for automatically moving from category to category to enable the user to view the channels related to each category and individual content associated with each channel.

17. The system of claim 1, further comprising means for moving automatically from channel to channel in a category, to enable the user to view the individual content associated with each channel.

18. The system of claim 1, wherein the user interface comprises a front-end for world-wide-web access.

19. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content by the user comprising:

5 a graphical user interface, which includes;  
a set of categories of potential interest to a user;  
a plurality of sets of channels, wherein each set of channels is related to a category  
and

individual content associated with each of the channels;  
10 wherein the graphical user interface is adapted to enable the simultaneous displaying in a display of the set of categories, a set of related channels, and associated individual content, of potential interest to the user, and is adapted to enable the selection of a category, a related channel, and associated individual content by the user; and  
means for enabling the user to select among the set of categories, the related set  
15 of channels, and the associated individual content.

20. The system of claim 19, wherein the selection enabling means include a cursor.

21. The system of claim 20, wherein the cursor is further adapted to enable the user to scroll to additional categories.

22. The system of claim 20, wherein the cursor is further adapted to enable the user to scroll through the set of channels in a category.

23. The system of claim 20, wherein the cursor is adapted to enable the user to click in an area and the area will transition to a full- display mode.

24. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content by the user comprising:

5 a graphical user interface, which includes;  
a set of categories of potential interest to a user;  
a plurality of sets of channels, wherein each set of channels is related to a category  
and  
individual content associated with each of the channels, comprising interactive  
10 data;

wherein the graphical user interface is adapted to enable the simultaneous displaying in a display of the set of categories, a set of related channels, and associated individual interactive data content of potential interest to the user, and is adapted to enable the selection of a category, a related channel, and associated individual content  
15 by the user; and

means for establishing an interactive data connection.

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25. The system of claim 24, wherein the interactive data connection establishing means includes a source of interactive data comprising a multiple-channel interactive data system.

26. The system of claim 25, wherein the multiple-channel interactive data system comprises a digital cable system.

27. The system of claim 25, wherein the multiple-channel interactive data system comprises a satellite system.

28. The system of claim 25, wherein the multiple-channel interactive data system includes a set-top box adapted to be connected between the source and the display.

29. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content including extensions, of potential interest to a user, comprising:

5 a graphical user interface, which includes;

a set of categories of potential interest to a user;

a plurality of sets of channels, wherein each set of channels is related to a category

and

10 individual content associated with each of the channels, including extensions;

wherein the graphical user interface is adapted to enable the simultaneous displaying in a display of the set of categories, a set of related channels, associated individual content, and extensions, of potential interest to the user, and is adapted to enable the selection of a category, a related channel, and associated individual content,

15 and extensions, by the user.

30. The system of claim 29, wherein the extensions include the current time.



31. The system of claim 29, wherein the extensions include a graphical representation of the relation between the current time and the total range of time from the start to the end of a program.

32. The system of claim 29, wherein the extensions include embedded video.

33. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content by the user comprising:

5 a graphical user interface, which is comprised of a content description language, and which includes;

a set of categories of potential interest to a user;

a plurality of sets of channels, wherein each set of channels is related to a category and

10 individual content associated with each of the channels;

wherein the graphical user interface is adapted to enable the simultaneous displaying in a display of the set of categories, a set of related channels, and associated individual content, of potential interest to the user, and is adapted to enable the selection of a category, a related channel, and associated individual content by the user.

34. The system of claim 33, wherein the content description language comprises HTML.

35. The system of claim 34, further comprising means for decoding the HTML content.

36. A system for enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual content by the user comprising:

5 a graphical user interface, which includes;  
a set of categories of potential interest to a user;  
a plurality of sets of channels, wherein each set of channels is related to a category  
and  
individual content associated with each of the channels, wherein the individual  
10 content in each selectable channel includes information which is related to the selectable  
channel;  
wherein the graphical user interface is adapted to enable the simultaneous  
displaying in a display of the set of categories, a set of related channels, and associated  
individual content, of potential interest to the user, and is adapted to enable the selection  
15 of a category, a related channel, and associated individual content by the user.

37. The system of claim 36, wherein the information comprises video clips.

38. The system of claim 36, wherein the information comprises real-time  
video.

39. The system of claim 36, wherein the information comprises content  
provider information.

40. The system of claim 36, wherein the information comprises channel  
information.

41. The system of claim 36, wherein the information comprises program  
information.

42. The system of claim 36, wherein the information includes live links to  
other related information.

43. The system of claim 41, wherein the program information comprises a  
program title.

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44. The system of claim 41, wherein the program information comprises program length.

45. The system of claim 41, wherein the program information comprises a program summary.

46. The system of claim 41, wherein the program information comprises program starting and ending time.

47. The system of claim 41, wherein the program information is adapted to be in a format which comprises HTML.

48. The system of claim 41, wherein the program information is adapted to relate to the next program chronologically in the selected channel.

49. The system of claim 41, wherein the program information further includes particular information relating to the program information.

50. The system of claim 42, wherein the live links are adapted to enable the user to scroll forward to the next information or backward to the previous information.

51. The system of claim 42, further comprising means for linking directly to linked information relating to the information selected.

52. The system of claim 49, further comprising means for enabling selection of particular information from the program information.

53. A method of enabling the simultaneous displaying in a display of a set of categories, a set of related channels, and associated individual content, of potential interest to a user, and for enabling the selection of a category, a related channel, and associated individual by the user, in a system which includes a graphical user interface

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5 including a set of categories, a plurality of sets of channels, wherein each set of channels  
is related to a category, and individual content associated with each of the channels,  
wherein the graphical user interface is adapted to enable the simultaneous displaying in  
a display of the set of categories, a set of related channels, and associated individual  
content, of potential interest to the user, and is adapted to enable the selection of a  
10 category, a related channel, and associated individual content by the user, comprising the  
steps of:

initially displaying the categories of potential interest to the user;  
enabling the user to select a desired category; and  
displaying a plurality of the channels in a set of channels related to the selected  
15 category.

54. The method of claim 53, further comprising the steps of enabling the user  
to select a desired category, and displaying a set of channels related to the selected  
category.

55. The method of claim 53, further comprising the steps of enabling the user  
to select a desired channel, and displaying the individual content associated with the  
selected channel.

56. The method of claim 53, wherein the graphical user interface is adapted  
to be displayed in a screen in a display, and to enable the user to navigate among the  
categories, related channels, and associated individual content, from the same screen,  
further comprising the step of enabling the user to navigate among the categories, related  
5 channels, and associated individual content from the same screen.

57. The method of claim 53, wherein the graphical user interface is adapted  
to enable the user to navigate interactively in the individual content, further comprising  
the step of enabling the user to navigate interactively in the individual content.

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58. The method of claim 54, wherein the channel displaying step enables the set of channels related to the selected category to be displayed simultaneously with the set of categories.

59. The method of claim 54, wherein the channel displaying step is performed substantially instantaneously with the selection of the desired category.

60. The method of claim 55, wherein the individual content displaying step enables the individual content associated with the selected channel to be displayed simultaneously with the set of channels.

61. The method of claim 55, wherein the individual content displaying step is performed substantially instantaneously with the selection of the desired channel.

62. The method of claim 55, wherein the individual content in each selectable channel includes information which includes program information which is related to the selectable channel and which is of potential interest to the user, which program information includes particular information related to the program information, further  
5 comprising the steps of displaying the particular information of potential interest to the user associated with the selected channel, enabling the user to scan the particular information to locate the desired particular information, and displaying the desired particular information.

63. The method of claim 55, wherein the individual content includes information which includes links to other information of potential interest to the user and associated with the selected channel, further comprising the steps of displaying the information which includes the links, enabling the user to activate a link to the other  
5 information, and displaying the linked information.

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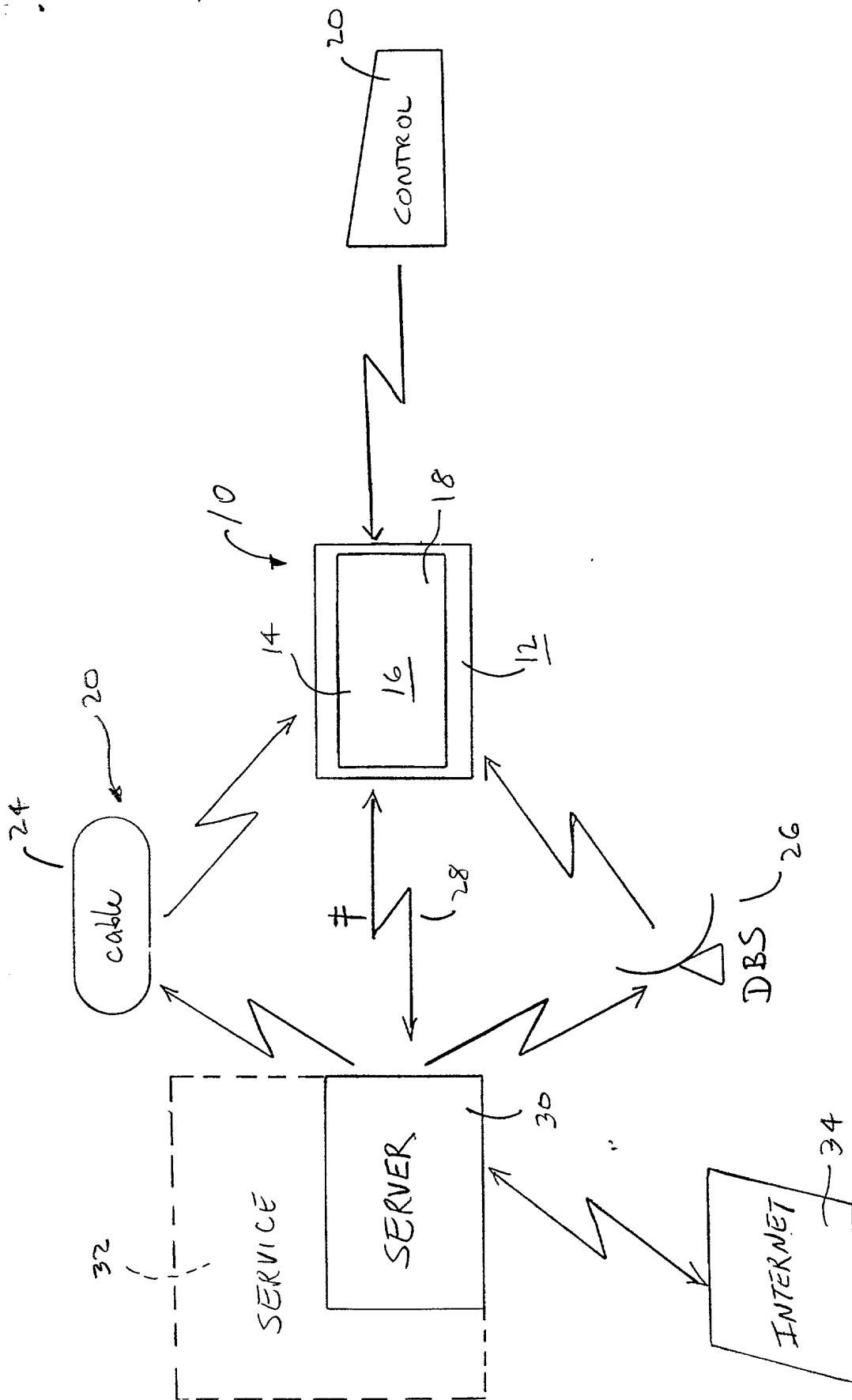
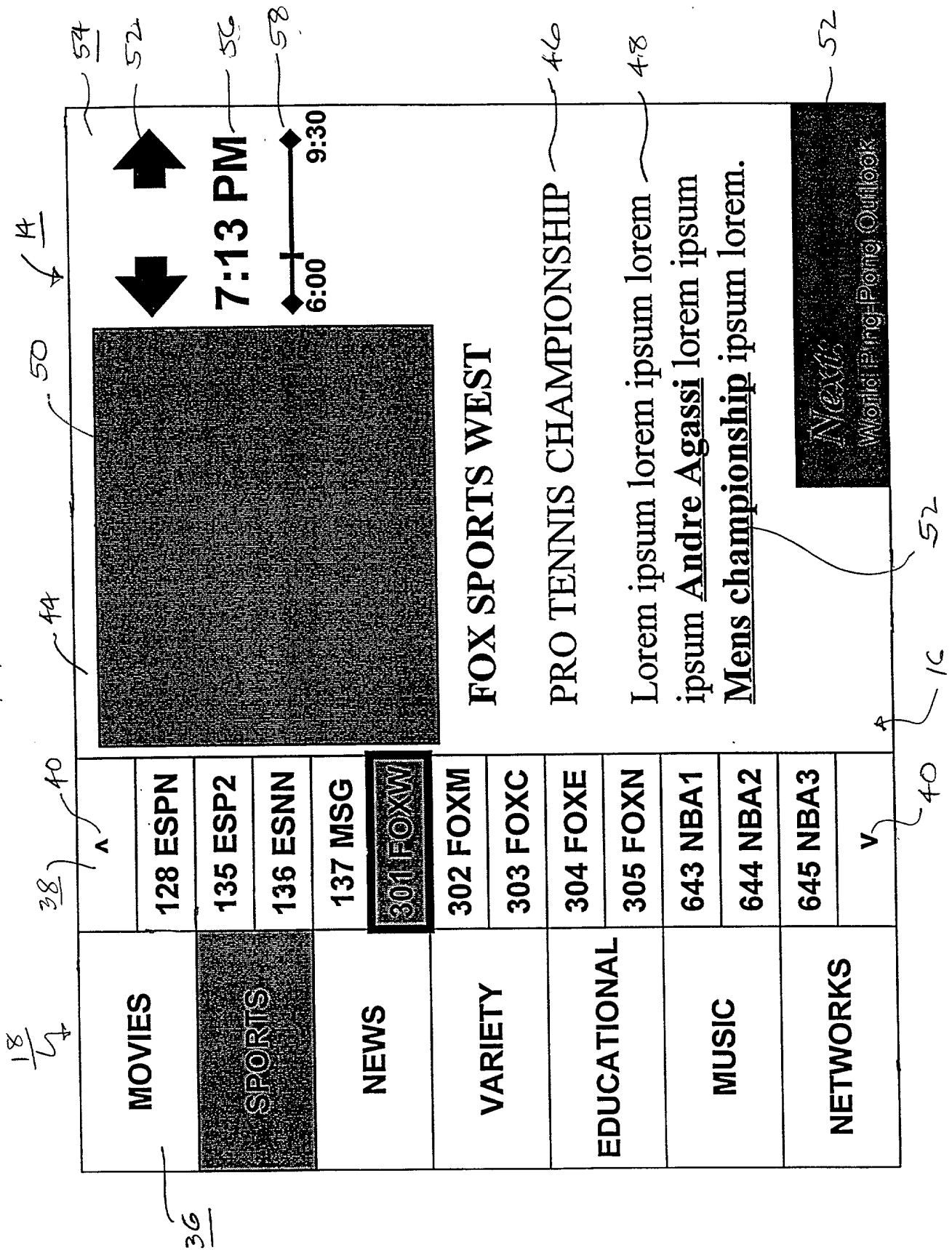


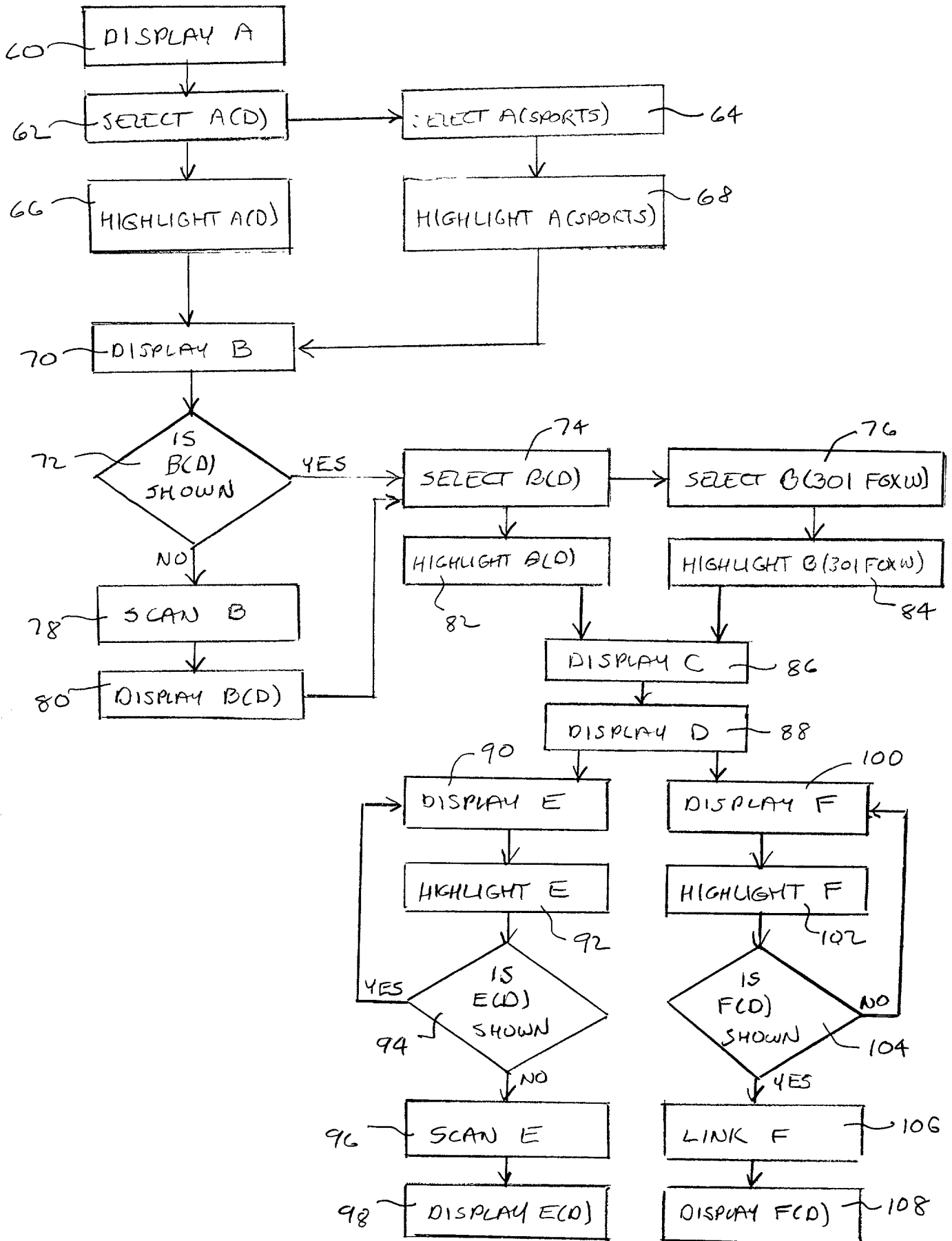
FIG 1

FIG. 16





# FIG 3



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DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names;

We believe we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled CONTENT NAVIGATOR GRAPHICAL USER INTERFACE SYSTEM AND METHOD the specification of which (check one)

  X   is attached hereto  
           was filed on                       
Application Serial No.                       
and was amended on (or amended through           ;

(if applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above;

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 of any foreign application(s) for patent or inventor's certificate listed below and have also

identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>NONE</u> Number	<u>          </u> Country	<u>                                </u> Day/Month/Year filed	<u>      </u> Yes	<u>      </u> No

We hereby claim the benefit under Title 35, United States Code, Sec. 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sec. 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

<u>NONE</u> Appln. Serial No.	<u>                                </u> Filing Date (patented, pending abandoned)	<u>                                </u> Status
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We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

We hereby appoint the following attorneys to prosecute this application and to

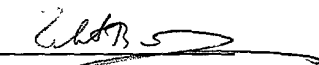
transact all business in the Patent and Trademark Office connected therewith:

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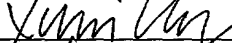
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